

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2018 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

| <b>RD0536</b>                               | Overall LMA Rating     | Total LMA Miles |              |             |             |         |                              |         |
|---|------------------------|-----------------|--------------|-------------|-------------|---------|------------------------------|---------|
| <b>Reclamation District No. 0536 Egbert</b> | <b>U</b>               | <b>10.59</b>    |              |             |             |         |                              |         |
| Rated Item                                  | Maintenance Deficiency |                 |              |             | Enforcement |         | Design & System Obsolescence |         |
|   | M Miles                | U Miles         | M + 4U Miles | Threshold % | M Miles     | U Miles | M Miles                      | U Miles |
| <i>Earthen Levee</i>                        |                        |                 |              |             |             |         |                              |         |
| Vegetation                                  | 1.81                   | 1.20            | 6.61         | 62.39%      |             |         |                              |         |
| Encroachments                               |                        |                 |              |             | 0.02        | 0.06    |                              |         |
| Animal Control                              | 0.01                   |                 | 0.01         | 0.09%       |             |         |                              |         |
| Slope Stability                             | 0.01                   |                 | 0.01         | 0.09%       |             |         |                              |         |
| Crown Surface / Depressions / Rutting       | 1.19                   |                 | 1.19         | 11.23%      |             |         |                              |         |
| Emergency Supplies & Equipment              | 0.11                   |                 | 0.11         | 1.04%       |             |         |                              |         |
| Flood Preparedness & Training               | 0.11                   |                 | 0.11         | 1.04%       |             |         |                              |         |
| <i>Supplemental</i>                         |                        |                 |              |             |             |         |                              |         |
| 2017 USACE Erosion Survey, DRAFT            | 0.32                   | 0.05            | 0.52         | 4.91%       |             |         |                              |         |
| DWR UCIP Field Study                        |                        |                 |              |             | 0.11        |         |                              |         |
| DWR UCIP LMA Responsibility                 |                        |                 |              |             |             |         |                              |         |
| <i>LMA Totals:</i>                          | 3.55                   | 1.25            | 8.55         | 80.70%      | 0.13        | 0.06    | 0.00                         | 0.00    |

| <b>Unit No. 01 Lindsey Slough RB</b>  | Overall Unit Rating    | Total Unit Miles |              |             |             |         |                              |         |
|---------------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| <b>RD0536</b>                         | <b>U</b>               | <b>5.58</b>      |              |             |             |         |                              |         |
| Rated Item                            | Maintenance Deficiency |                  |              |             | Enforcement |         | Design & System Obsolescence |         |
|                                       | M Miles                | U Miles          | M + 4U Miles | Threshold % | M Miles     | U Miles | M Miles                      | U Miles |
| <i>Earthen Levee</i>                  |                        |                  |              |             |             |         |                              |         |
| Vegetation                            | 0.25                   | 0.11             | 0.69         | 12.36%      |             |         |                              |         |
| Encroachments                         |                        |                  |              |             | 0.02        | 0.02    |                              |         |
| Animal Control                        | 0.01                   |                  | 0.01         | 0.18%       |             |         |                              |         |
| Slope Stability                       | 0.01                   |                  | 0.01         | 0.18%       |             |         |                              |         |
| Crown Surface / Depressions / Rutting | 1.19                   |                  | 1.19         | 21.31%      |             |         |                              |         |
| <i>Supplemental</i>                   |                        |                  |              |             |             |         |                              |         |
| 2017 USACE Erosion Survey, DRAFT      | 0.32                   | 0.05             | 0.52         | 9.31%       |             |         |                              |         |
| DWR UCIP Field Study                  |                        |                  |              |             | 0.07        |         |                              |         |
| DWR UCIP LMA Responsibility           |                        |                  |              |             |             |         |                              |         |
| <i>Unit Totals:</i>                   | 1.78                   | 0.16             | 2.42         | 43.34%      | 0.09        | 0.02    | 0.00                         | 0.00    |

| <b>Unit No. 02 Yolo Bypass RB</b> | Overall Unit Rating    | Total Unit Miles |              |             |             |         |                              |         |
|-----------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| <b>RD0536</b>                     | <b>U</b>               | <b>5.01</b>      |              |             |             |         |                              |         |
| Rated Item                        | Maintenance Deficiency |                  |              |             | Enforcement |         | Design & System Obsolescence |         |
|                                   | M Miles                | U Miles          | M + 4U Miles | Threshold % | M Miles     | U Miles | M Miles                      | U Miles |
| <i>Earthen Levee</i>              |                        |                  |              |             |             |         |                              |         |
| Vegetation                        | 1.56                   | 1.09             | 5.92         | 118.12%     |             |         |                              |         |
| Encroachments                     |                        |                  |              |             |             | 0.04    |                              |         |
| <i>Supplemental</i>               |                        |                  |              |             |             |         |                              |         |
| DWR UCIP Field Study              |                        |                  |              |             | 0.04        |         |                              |         |
| <i>Unit Totals:</i>               | 1.56                   | 1.09             | 5.92         | 118.12%     | 0.04        | 0.04    | 0.00                         | 0.00    |

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2018 Levee Inspection Results**

**Reclamation District No. 0536 Egbert**

|                                  | Spring<br>(March - May) | Summer **<br>(June - August) | Fall<br>(September - November) | Winter **<br>(December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) |                         |                              | U                              |                                    |

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2018 Levee Inspection Results**

**Reclamation District No. 0536 Egbert**

| Waterway                               |                         |                           | Bank                                    | Unit Miles                      |
|--|-------------------------|---------------------------|---|---------------------------------|
| Unit No. 01 Lindsey Slough             |                         |                           | Right                                   | 5.58                            |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall          | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           | <b>U</b>                                |                                 |
| Date of Inspection                     | 3/29/2018 - 3/29/2018   |                           | 9/26/2018 - 9/26/2018                   |                                 |
| DWR Inspector                          | Keith Millard           |                           | David Julian                            |                                 |
| Accompanied By                         | David Hearn             |                           | David Hearn<br>Reclamation District 536 |                                 |

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                               |              |    |                        |           |
|--|-------------------------------|--------------|----|------------------------|-----------|
| LM Start   |                               | Rating **    | M  | Issue No.              | <b>38</b> |
| LM End   |                               | Issue Type + | Ma | Location *             |           |
| Category   | Earthen Levee                 |              |    | GPS Latitude/Longitude |           |
|  |                               |              |    | Start                  | End       |
| Item   | Flood Preparedness & Training |              |    | °                      | °         |
|  |                               |              |    | °                      | °         |
| DWR ID   | DWR_RD0536_01_s _ 2012_38     |              |    |                        |           |
| Comment Code   |                               |              |    |                        |           |
|  |                               |              |    |                        |           |
| Inspector Comment                                    |                               |              |    |                        |           |
| The District does not have a staff only land owners. |                               |              |    |                        |           |

No Photos

|  |                                  |              |    |                        |           |
|--|----------------------------------|--------------|----|------------------------|-----------|
| LM Start   |                                  | Rating **    | A  | Issue No.              | <b>39</b> |
| LM End   |                                  | Issue Type + | Ma | Location *             |           |
| Category   | Earthen Levee                    |              |    | GPS Latitude/Longitude |           |
|  |                                  |              |    | Start                  | End       |
| Item   | Operations & Maintenance Manuals |              |    | °                      | °         |
|  |                                  |              |    | °                      | °         |
| DWR ID   | DWR_RD0536_01_s _ 2012_39        |              |    |                        |           |
| Comment Code                                     |                                  |              |    |                        |           |
|  |                                  |              |    |                        |           |
| Inspector Comment                                |                                  |              |    |                        |           |
| District has copy of O+M manual as of 10/7/2017. |                                  |              |    |                        |           |

No Photos

|  |                                |              |    |                        |           |
|--|--------------------------------|--------------|----|------------------------|-----------|
| LM Start   |                                | Rating **    | M  | Issue No.              | <b>40</b> |
| LM End   |                                | Issue Type + | Ma | Location *             |           |
| Category   | Earthen Levee                  |              |    | GPS Latitude/Longitude |           |
|  |                                |              |    | Start                  | End       |
| Item   | Emergency Supplies & Equipment |              |    | °                      | °         |
|  |                                |              |    | °                      | °         |
| DWR ID   | DWR_RD0536_01_s _ 2012_40      |              |    |                        |           |
| Comment Code   |                                |              |    |                        |           |
|  |                                |              |    |                        |           |
| Inspector Comment  |                                |              |    |                        |           |
| District has stock of sandbags and tarps but other materials such as shovels are with landowners. No supply of sand. |                                |              |    |                        |           |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                             |              |    |                        |               |  |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 0.00                        | Rating **    | U  | Issue No.              | 66            |  |
| LM End   | 0.00                        | Issue Type + | Ma | Location *             |               |  |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|  |                             |              |    | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.244963 °            | 38.244963 °   |  |
|  |                             |              |    | -121.768960 °          | -121.768960 ° |  |
| DWR ID   | 22712                       |              |    |                        |               |  |
| Comment Code   |                             |              |    |                        |               |  |
|  |                             |              |    |                        |               |  |
| Inspector Comment  |                             |              |    |                        |               |  |
| FS_ID:53359<br>DS_ID:22712<br>EP_NO: 10114<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 10/2/2018 Holes present in pipe pose internal levee threat; keeping as Urgent (D. Sanoski - DWR UCIP).06/01/2016: Holes and heavy corrosion inside pipe on WS have gotten worse. Flapgates appear in good condition though vegetation blocks view of flapgate for 36-inch on WS. These pipes are still in use and necessary for drainage; pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013:- Holes in pipe outlet due to heavy corrosion.- Needs detailed investigation of the pipe.- Headwall cracked and tilted on WS. (P. Amatya - DWR)<br>FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at heardnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 "'A'"), invert elevation 14.4 feet].<br>FS Date: 10/2/2018 1:53:00 PM |                             |              |    |                        |               |  |

Photo 1 of 3 : UCIP\_FA\_2018\_53359\_34457.jpg



WS view: two CMPs with flap gates. Concrete headwall supports the pipes. A 36" CMP (left) and 60" CMP (right).

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 0.00                        | Rating **    | U  | Issue No.              | 66 (cont)     |  |
| LM End  | 0.00                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 38.244963 °            | 38.244963 °   |  |
|   |                             |              |    | -121.768960 °          | -121.768960 ° |  |
| DWR ID  | 22712                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:53359<br>DS_ID:22712<br>EP_NO: 10114<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 10/2/2018 Holes present in pipe pose internal levee threat; keeping as Urgent (D. Sanoski - DWR UCIP).06/01/2016: Holes and heavy corrosion inside pipe on WS have gotten worse. Flapgates appear in good condition though vegetation blocks view of flapgate for 36-inch on WS. These pipes are still in use and necessary for drainage; pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013:- Holes in pipe outlet due to heavy corrosion.- Needs detailed investigation of the pipe.- Headwall cracked and tilted on WS. (P. Amatya - DWR)<br>FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 ""A""), invert elevation 14.4 feet].<br>FS Date: 10/2/2018 1:53:00 PM |                             |              |    |                        |               |  |

Photo 2 of 3 : UCIP\_FA\_2018\_53359\_34456.jpg



LS view: two inlet CMPs with flap gates. Concrete headwall supports the pipes. A 36" CMP (right) and 60" CMP (left).

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                             |              |                        |               |                  |  |  |  |  |  |  |  |
|---|-----------------------------|--------------|------------------------|---------------|------------------|--|--|--|--|--|--|--|
| LM Start  | <b>0.00</b>                 | Rating **    | U                      | Issue No.     | <b>66 (cont)</b> |  |  |  |  |  |  |  |
| LM End  | <b>0.00</b>                 | Issue Type + | Ma                     | Location *    |                  |  |  |  |  |  |  |  |
| Category  | Supplemental                |              | GPS Latitude/Longitude |               |                  |  |  |  |  |  |  |  |
|   |                             |              | Start                  | End           |                  |  |  |  |  |  |  |  |
| Item  | DWR UCIP LMA Responsibility |              | 38.244963 °            | 38.244963 °   |                  |  |  |  |  |  |  |  |
|   |                             |              | -121.768960 °          | -121.768960 ° |                  |  |  |  |  |  |  |  |
| DWR ID  | 22712                       |              |                        |               |                  |  |  |  |  |  |  |  |
| Comment Code  |                             |              |                        |               |                  |  |  |  |  |  |  |  |
| Inspector Comment   |                             |              |                        |               |                  |  |  |  |  |  |  |  |
| FS_ID:53359<br>DS_ID:22712<br>EP_NO: 10114<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 10/2/2018 Holes present in pipe pose internal levee threat; keeping as Urgent (D. Sanoski - DWR UCIP).06/01/2016: Holes and heavy corrosion inside pipe on WS have gotten worse. Flapgates appear in good condition though vegetation blocks view of flapgate for 36-inch on WS. These pipes are still in use and necessary for drainage; pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013:- Holes in pipe outlet due to heavy corrosion.- Needs detailed investigation of the pipe.- Headwall cracked and tilted on WS. (P. Amatya - DWR)<br>FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 "'A'"), invert elevation 14.4 feet].<br>FS Date: 10/2/2018 1:53:00 PM |                             |              |                        |               |                  |  |  |  |  |  |  |  |

Photo 3 of 3 : UCIP\_FA\_2018\_53359\_34455.jpg



LS view: holes & cracks on CM pipe due to heavy corrosion. Needs detailed investigation of the pipe.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.00                        | Rating **    | U  | Issue No.              | 67            |
| LM End  | 0.00                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 38.244959 °            | 38.244959 °   |
|   |                             |              |    | -121.768921 °          | -121.768921 ° |
| DWR ID  | 22726                       |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:53360<br>DS_ID:22726<br>EP_NO: 10114<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 10/2/2018 Vegetation blocked WS view of pipe, though a hole directly above WS inlet pipe could be a sinkhole. Keeping as Urgent and recommend internal inspection due to holes in 60-inch pipe (D. Sanoski - DWR UCIP).06/01/2016 Pipe is not abandoned. Though neglected, it is still functional and a needed system feature. Pipe is severely corroded with holes in it, which are visible on LS. Vegetation blocks view of flapgate on WS. Pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013 This pipe seems to be abandoned. Headwall cracked and tilted on WS. (P. Amatya)<br>FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992, referenced as 6.5 feet below the crown. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 ""A""), invert elevation 14.4 feet].<br>FS Date: 10/2/2018 2:10:00 PM |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_FA\_2018\_53360\_34771.jpg



WS view: concrete headwall, flap gates on 36" CMP (left) and 60" CMP (right)

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 0.00                        | Rating **    | U  | Issue No.              | 67 (cont)     |  |
| LM End  | 0.00                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 38.244959 °            | 38.244959 °   |  |
|   |                             |              |    | -121.768921 °          | -121.768921 ° |  |
| DWR ID  | 22726                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:53360<br>DS_ID:22726<br>EP_NO: 10114<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 10/2/2018 Vegetation blocked WS view of pipe, though a hole directly above WS inlet pipe could be a sinkhole. Keeping as Urgent and recommend internal inspection due to holes in 60-inch pipe (D. Sanoski - DWR UCIP).06/01/2016 Pipe is not abandoned. Though neglected, it is still functional and a needed system feature. Pipe is severely corroded with holes in it, which are visible on LS. Vegetation blocks view of flapgate on WS. Pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013 This pipe seems to be abandoned. Headwall cracked and tilted on WS. (P. Amatya)<br>FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992, referenced as 6.5 feet below the crown. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 ""A""), invert elevation 14.4 feet].<br>FS Date: 10/2/2018 2:10:00 PM |                             |              |    |                        |               |  |

Photo 2 of 3 : UCIP\_FA\_2018\_53360\_34770.jpg



WS view: cracked and tilted concrete headwall.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 0.00                        | Rating **    | U  | Issue No.              | 67 (cont)     |  |
| LM End  | 0.00                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 38.244959 °            | 38.244959 °   |  |
|   |                             |              |    | -121.768921 °          | -121.768921 ° |  |
| DWR ID  | 22726                       |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:53360<br>DS_ID:22726<br>EP_NO: 10114<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 10/2/2018 Vegetation blocked WS view of pipe, though a hole directly above WS inlet pipe could be a sinkhole. Keeping as Urgent and recommend internal inspection due to holes in 60-inch pipe (D. Sanoski - DWR UCIP).06/01/2016 Pipe is not abandoned. Though neglected, it is still functional and a needed system feature. Pipe is severely corroded with holes in it, which are visible on LS. Vegetation blocks view of flapgate on WS. Pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013 This pipe seems to be abandoned. Headwall cracked and tilted on WS. (P. Amatya)<br>FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992, referenced as 6.5 feet below the crown. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 ""A""), invert elevation 14.4 feet].<br>FS Date: 10/2/2018 2:10:00 PM |                             |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_FA\_2018\_53360\_34769.jpg



LS view: concrete headwall, 36" CMP (right) and 60" CMP (left)

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

# Reclamation District No. 0536 Egbert

Crown should be graded and surfaced with base rock.

Page 8 of 32



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|          |                             |              |                        |              |           |
|----------|-----------------------------|--------------|------------------------|--------------|-----------|
| LM Start | <b>0.31</b>                 | Rating **    | A/W                    | Issue No.    | <b>68</b> |
| LM End   | <b>0.31</b>                 | Issue Type + | Ma                     | Location *   |           |
| Category | Supplemental                |              | GPS Latitude/Longitude |              |           |
|          |                             |              | Start                  | End          |           |
| Item     | DWR UCIP LMA Responsibility |              | 38.245605°             | 38.245605°   |           |
|          |                             |              | -121.763441°           | -121.763441° |           |
| DWR ID   | 22713                       |              |                        |              |           |

**Comment Code**

**Inspector Comment**

FS\_ID:49313  
DS\_ID:22713  
EP\_NO: 10114  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 06/01/2016 Debris cleared and flapgate is no longer blocked. 08/13/2013 Outlet was blocked by concrete debris and dirt. Needs cleaning of debris.  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Headwall on each end, not found in 2013 or 2016. No. 100 gate on the WS. Concrete debris on the WS slope. This crossing is also used for irrigation. 1-inch polyvinyl chloride (PVC) pipe sleeved through the 24-inch pipe, visible through the landside (LS) end. According to David Hearn, Reclamation District No. 536 (RD0536) president, the PVC pipe does not connect all the way through. Present landowner, as of 2016, is Solano Land Trust, and the pipe runs through the Jepson Prairie Reserve, managed by the University of California, Davis, (UC Davis). (Retention of a 24-inch drainage pipe through the levee, 10.5 feet below the crown, and a flap gate on the WS end authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 274+00 "'A'", invert elevation 15.8 feet).  
FS Date: 6/1/2016

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>0.31</b> | Rating **    | A/W | Issue No.  | <b>68 (cont)</b> |
| LM End   | <b>0.31</b> | Issue Type + | Ma  | Location * |                  |

Photo 1 of 3 : UCIP\_FA\_2018\_49313\_34774.jpg



WS view: overview of exposed CM pipe on levee slope.

Photo 2 of 3 : UCIP\_FA\_2018\_49313\_34773.jpg



WS view: CM pipe blocked by concrete debris on levee slope.

|  |  |  |   |
|--|--|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N : Not Inspected/Rated</b><br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|          |                             |              |     |                        |               |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.31                        | Rating **    | A/W | Issue No.              | 68 (cont)     |
| LM End   | 0.31                        | Issue Type + | Ma  | Location *             |               |
| Category | Supplemental                |              |     | GPS Latitude/Longitude |               |
|          |                             |              |     | Start                  | End           |
| Item     | DWR UCIP LMA Responsibility |              |     | 38.245605 °            | 38.245605 °   |
|          |                             |              |     | -121.763441 °          | -121.763441 ° |
| DWR ID   | 22713                       |              |     |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:49313  
DS\_ID:22713  
EP\_NO: 10114  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 06/01/2016 Debris cleared and flapgate is no longer blocked. 08/13/2013 Outlet was blocked by concrete debris and dirt. Needs cleaning of debris.  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Headwall on each end, not found in 2013 or 2016. No. 100 gate on the WS. Concrete debris on the WS slope. This crossing is also used for irrigation. 1-inch polyvinyl chloride (PVC) pipe sleeved through the 24-inch pipe, visible through the landside (LS) end. According to David Hearn, Reclamation District No. 536 (RD0536) president, the PVC pipe does not connect all the way through. Present landowner, as of 2016, is Solano Land Trust, and the pipe runs through the Jepson Prairie Reserve, managed by the University of California, Davis, (UC Davis). (Retention of a 24-inch drainage pipe through the levee, 10.5 feet below the crown, and a flap gate on the WS end authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 274+00 "'A'"), invert elevation 15.8 feet].  
FS Date: 6/1/2016

Photo 3 of 3 : UCIP\_FA\_2018\_49313\_34772.jpg



LS view: open CM pipe end on levee slope.

|          |                                  |              |    |                        |               |
|----------|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.67                             | Rating **    | M  | Issue No.              | 14            |
| LM End   | 0.98                             | Issue Type + | Ma | Location *             | WS            |
| Category | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|          |                                  |              |    | Start                  | End           |
| Item     | 2017 USACE Erosion Survey, DRAFT |              |    | 38.249615 °            | 38.253717 °   |
|          |                                  |              |    | -121.760165 °          | -121.757979 ° |
| DWR ID   | DWR_RD0536_01 f _ 2018_14        |              |    |                        |               |

**Comment Code**

**Inspector Comment**

2017 Site ID: LDS 0.6 R  
Status: Eroding  
2017 Field Notes: Appears to be cow paths along slope causing erosion.  
Site History: 2011 - Multiple sections of slumping bank. 2016 - Bank continues to erode.

No Photos

|  |  |  |   |
|--|--|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N : Not Inspected/Rated</b><br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 1.10                        | Rating **    | A/W | Issue No.              | 69            |
| LM End  | 1.10                        | Issue Type + | Ma  | Location *             |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.255412 °            | 38.255412 °   |
|   |                             |              |     | -121.757605 °          | -121.757605 ° |
| DWR ID  | 22715                       |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:20444<br>DS_ID:22715<br>EP_NO: 10115<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Pipe was submerged into water and not visible.Steel bar fence on both sides of the levee.<br>FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 22.5 feet below the crown. Concrete headwall on each end. Screw gate on the waterside (WS) end. (Retention of a 42-inch drainage pipe through the levee, 22.5 feet below the crown, and a slide gate on the WS end authorized under Automatic Board Order (ABO) issued as Permit No. 10115, 1974 - Petersen Estate Company, care of R. Moss). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 238+36 ""A""), invert elevation 1.5 feet].<br>FS Date: 8/13/2013 |                             |              |     |                        |               |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>1.10</b> | Rating **    | A/W | Issue No.  | <b>69 (cont)</b> |
| LM End   | <b>1.10</b> | Issue Type + | Ma  | Location * |                  |

Photo 1 of 2 : UCIP\_FA\_2018\_20444\_34493.jpg



WS view: slide gate, concrete headwall in the channel. Pipe submerged into water.

Photo 2 of 2 : UCIP\_FA\_2018\_20444\_34492.jpg



LS view: concrete headwall in the channel/irrigation ditch. Pipe submerged into water.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.35                                  | Rating **    | M  | Issue No.              | 47            |
| LM End   | 1.55                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.258930 °            | 38.258637 °   |
|  |                                       |              |    | -121.757085 °          | -121.753397 ° |
| DWR ID   | DWR_RD0536_01_f_2014_47               |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| Inspector Comment                                      |                                       |              |    |                        |               |
| Add appropriate gravel to the crown roadway.           |                                       |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_208\_47\_20180928\_00044.jpg



View looking downstream of the crown. Gravel should be added to the roadway (September 2018).

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.45                    | Rating **    | M  | Issue No.              | 17            |
| LM End  | 1.45                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.259087 °            | 38.259087 °   |
|   |                         |              |    | -121.755133 °          | -121.755133 ° |
| DWR ID  | DWR_RD0536_01_f_2018_17 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.        |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Depressions in levee due to cows should be repaired to prevent deeper depressions into levee. |                         |              |    |                        |               |

Photo 1 of 2 : FA\_2018\_RD0536\_208\_17\_20180928\_00042.jpg



View looking upstream at divots in the slope created by cows. Divots are deep enough that they should be corrected (September 2018).

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.45</b> | Rating **    | M  | Issue No.  | <b>17 (cont)</b> |
| LM End   | <b>1.45</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : FA\_2018\_RD0536\_208\_17\_20180928\_00043.jpg



Looking down slope at one of the cow divots (September 2018).

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                                       |              |    |                        |               |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.60                                  | Rating **    | M  | Issue No.              | 22            |
| LM End  | 1.84                                  | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|   |                                       |              |    | Start                  | End           |
| Item  | Crown Surface / Depressions / Rutting |              |    | 38.258845 °            | 38.259958 °   |
|   |                                       |              |    | -121.752675 °          | -121.748765 ° |
| DWR ID  | DWR_RD0536_01_f_2018_22               |              |    |                        |               |
| Comment Code  |                                       |              |    |                        |               |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. |                                       |              |    |                        |               |
| Inspector Comment   |                                       |              |    |                        |               |
| Add appropriate gravel to the crown roadway.  |                                       |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_208\_22\_20180928\_00045.jpg



View looking upstream at the crown. Surface cracks should be fixed and gravel added to roadway (September 2018).

|   |                                       |              |     |                        |               |
|---|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 2.69                                  | Rating **    | A/W | Issue No.              | 56            |
| LM End  | 2.71                                  | Issue Type + | Ma  | Location *             | CR            |
| Category  | Earthen Levee                         |              |     | GPS Latitude/Longitude |               |
|   |                                       |              |     | Start                  | End           |
| Item  | Crown Surface / Depressions / Rutting |              |     | 38.255197 °            | 38.254973 °   |
|   |                                       |              |     | -121.737932 °          | -121.737577 ° |
| DWR ID  | DWR_RD0536_01_f_2014_56               |              |     |                        |               |
| Comment Code  |                                       |              |     |                        |               |
| C2 : Repair depressions or ruts in the crown or slope.  |                                       |              |     |                        |               |
| Inspector Comment   |                                       |              |     |                        |               |
| Possible subsidence in this area has been repaired. Grade was restored and base rock was added to crown. Area looks good on 3/29/18. Should continue to monitor this site for possible future subsidence. |                                       |              |     |                        |               |
| 9/26/2018: Very minor subsidence present. Should be monitored.  |                                       |              |     |                        |               |

Photo 1 of 2 : FA\_2018\_RD0536\_208\_56\_20180928\_00046.jpg



View looking upstream at minor subsidence. It should be continued to be monitored (September 2018).

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>2.69</b> | Rating **    | A/W | Issue No.  | <b>56 (cont)</b> |
| LM End   | <b>2.71</b> | Issue Type + | Ma  | Location * | CR               |

Photo 2 of 2 : FA\_2018\_RD0536\_208\_56\_20180924\_00006.jpg



3/29/2018: Crown rutting and possible subsidence has been repaired, but area should continue to be monitored for possible future subsidence.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 2.95                    | Rating **    | A/W | Issue No.              | 18            |
| LM End   | 2.95                    | Issue Type + | Ma  | Location *             | CR            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Cracking                |              |     | 38.256047 °            | 38.256047 °   |
|  |                         |              |     | -121.733728 °          | -121.733728 ° |
| DWR ID   | DWR_RD0536_01_f_2017_18 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| CR1 : Monitor and have inspected by geotechnical engineer.                   |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| No cracks visible. Area should continue to be monitored for future cracking. |                         |              |     |                        |               |

Photo 1 of 2 : FA\_2018\_RD0536\_208\_18\_20180928\_00047.jpg



View of crown looking downstream with fresh gravel. Cracks are no longer visible (September 2018).

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>2.95</b> | Rating **    | A/W | Issue No.  | <b>18 (cont)</b> |
| LM End   | <b>2.95</b> | Issue Type + | Ma  | Location * | CR               |

Photo 2 of 2 : FA\_2018\_RD0536\_208\_18\_20180924\_00003.jpg



09/29/2017: Cracks in crown.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 2.99                    | Rating **    | A/W | Issue No.              | 19            |
| LM End   | 3.00                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Cracking                |              |     | 38.255581 °            | 38.255562 °   |
|  |                         |              |     | -121.733117 °          | -121.733085 ° |
| DWR ID   | DWR_RD0536_01_f_2017_19 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| CR2 : Schedule repair of subsidence prior to the next inspection.            |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| No cracks visible. Area should continue to be monitored for future cracking. |                         |              |     |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_208\_19\_20180924\_00004.jpg



09/29/2017: Cracks in crown showing vertical offset with land side lower than most of crown.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.12                    | Rating **    | M  | Issue No.              | 24            |
| LM End   | 3.12                    | Issue Type + | En | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.255575 °            | 38.255575 °   |
|  |                         |              |    | -121.730895 °          | -121.730895 ° |
| DWR ID   | DWR_RD0536_01_f_2016_24 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| TR : Tree or limb  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Remove the walnut tree from the waterside slope that is overhanging the crown roadway. |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_208\_24\_20180928\_00048.jpg



View looking downstream at walnut trees on the water side crown (September 2018).

|   |                                       |              |     |                        |               |
|---|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 3.43                                  | Rating **    | A/W | Issue No.              | 20            |
| LM End  | 3.43                                  | Issue Type + | Ma  | Location *             | CR            |
| Category  | Earthen Levee                         |              |     | GPS Latitude/Longitude |               |
|   |                                       |              |     | Start                  | End           |
| Item  | Crown Surface / Depressions / Rutting |              |     | 38.255815 °            | 38.255815 °   |
|   |                                       |              |     | -121.726158 °          | -121.726158 ° |
| DWR ID  | DWR_RD0536_01_f_2017_20               |              |     |                        |               |
| Comment Code  |                                       |              |     |                        |               |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.                                   |                                       |              |     |                        |               |
| Inspector Comment   |                                       |              |     |                        |               |
| This area had cracks in Fall 2017. It has been graded and received base rock. It should continue to be monitored for future cracking. |                                       |              |     |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.53                    | Rating **    | A  | Issue No.              | 30            |
| LM End   | 3.53                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.254597 °            | 38.254597 °   |
|  |                         |              |    | -121.725850 °          | -121.725850 ° |
| DWR ID   | DWR_RD0536_01_s_2018_30 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| All vegetation has been removed  |                         |              |    |                        |               |

No Photos

|  |  |   |  |                                   |  |
|--|--|---|--|-----------------------------------|--|
| * Location                             |  | ** Rating                               |  | + Issue Type                      |  |
| LS : Land Side    N/A : Not Applicable |  | A : Acceptable                          |  | Ma : Maintenance Deficiency       |  |
| WS : Water Side                        |  | M : Minimally Acceptable                |  | Ob : Design & System Obsolescence |  |
| CR : Crown                             |  | U : Unacceptable                        |  | En : Enforcement                  |  |
|  |  | N : Not Inspected/Rated                 |  |                                   |  |
|  |  | C : Corrected                           |  |                                   |  |
|  |  | A/W : Acceptable but Monitor & Maintain |  |                                   |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David<br>Julian |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.69                 | Rating **    | M  | Issue No.              | 70            |
| LM End   | 3.69                 | Issue Type + | En | Location *             |               |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 38.252388 °            | 38.252388 °   |
|          |                      |              |    | -121.726437 °          | -121.726437 ° |
| DWR ID   | 24023                |              |    |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:49314  
DS\_ID:24023  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 06/01/2016 Could not see flapgate in water. Pipes still in use. No cover over pressure relief valve on WS slope. 08/13/2013:- Field discovered pipe.- Needs more information from the LMA/ DWR Inspector. - Dense vegetation on WS.- Pump feeds both pipes.  
FIELD\_STRUCT\_DESC: 2 of 2: 18-inch steel drainage discharge pipe through the levee, approximately 4 feet below the crown. Pump, called the Buddha Pump, in a pump house on the landside (LS) at the drainage ditch. Pressure breaker on the waterside (WS) slope. Pump and pipes are used by Reclamation District No. 536 (RD0536), per district president David Hearn, but could not identify permit information. Landowner is Dan Hearn per Solano County Assessor's Office (Parcel No. 0042-180-220).  
FS Date: 6/1/2016

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.69</b> | Rating **    | M  | Issue No.  | <b>70 (cont)</b> |
| LM End   | <b>3.69</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_FA\_2018\_49314\_34789.jpg



WS view: exposed 18" steel pipe on levee slope.

Photo 2 of 3 : UCIP\_FA\_2018\_49314\_34788.jpg



WS view: pressure breaker/valve on levee slope.

|  |  |  |   |
|--|--|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N : Not Inspected/Rated</b><br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                      |              |    |                        |               |  |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 3.69                 | Rating **    | M  | Issue No.              | 70 (cont)     |  |
| LM End  | 3.69                 | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|   |                      |              |    | Start                  | End           |  |
| Item  | DWR UCIP Field Study |              |    | 38.252388 °            | 38.252388 °   |  |
|   |                      |              |    | -121.726437 °          | -121.726437 ° |  |
| DWR ID  | 24023                |              |    |                        |               |  |
| Comment Code  |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
| Inspector Comment   |                      |              |    |                        |               |  |
| FS_ID:49314<br>DS_ID:24023<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 06/01/2016 Could not see flapgate in water. Pipes still in use. No cover over pressure relief valve on WS slope.08/13/2013:- Field discovered pipe.- Needs more information from the LMA/ DWR Inspector. - Dense vegetation on WS.- Pump feeds both pipes.<br>FIELD_STRUCT_DESC: 2 of 2: 18-inch steel drainage discharge pipe through the levee, approximately 4 feet below the crown. Pump, called the Buddha Pump, in a pump house on the landside (LS) at the drainage ditch. Pressure breaker on the waterside (WS) slope. Pump and pipes are used by Reclamation District No. 536 (RD0536), per district president David Hearn, but could not identify permit information. Landowner is Dan Hearn per Solano County Assessor's Office (Parcel No. 0042-180-220).<br>FS Date: 6/1/2016 |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_FA\_2018\_49314\_34787.jpg



WS view: exposed 18" steel pipe (left) and 16" steel pipe (right) on levee slope. Pump house on bank of drainage ditch.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 3.92                        | Rating **    | A/W | Issue No.              | 71            |  |
| LM End   | 3.92                        | Issue Type + | Ma  | Location *             |               |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.250781 °            | 38.250781 °   |  |
|  |                             |              |     | -121.723272 °          | -121.723272 ° |  |
| DWR ID   | 22718                       |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:20503<br>DS_ID:22718<br>EP_NO: 10116<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Vortex seen on WS. Water flow seen on LS.Saddle, apron, and headwall not visible. Inlet and outlet pipe-ends are submerged into water.<br>FIELD_STRUCT_DESC: 54-inch corrugated metal gravity drainage pipe through the levee, 30 feet below the crown. Screw gate in a pipe riser on the waterside (WS) slope. Saddle, apron, headwall, two corrugated metal cutoff walls, one No. 101 gate, and one No. 102 gate. (Retention of a 54-inch drainage pipe through the levee, 30 feet below the crown, and a slide gate on the WS slope authorized under Automatic Board Order (ABO) 10116, 1974 - Marion Sanchez Farms). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 87+70 ""R""), invert elevation -2 feet].<br>FS Date: 8/13/2013 |                             |              |     |                        |               |  |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>3.92</b> | Rating **    | A/W | Issue No.  | <b>71 (cont)</b> |
| LM End   | <b>3.92</b> | Issue Type + | Ma  | Location * |                  |

Photo 1 of 3 : UCIP\_FA\_2018\_20503\_34568.jpg



WS view: CMP riser with slide gate on levee slope. Water channel on background.

Photo 2 of 3 : UCIP\_FA\_2018\_20503\_34567.jpg



WS view: closer view of slide gate in CMP riser on levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                             |              |     |                        |               |     |
|--|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start   | 3.92                        | Rating **    | A/W | Issue No.              | 71 (cont)     |     |
| LM End   | 3.92                        | Issue Type + | Ma  | Location *             |               |     |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |     |
|  |                             |              |     | Start                  |               | End |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.250781 °            | 38.250781 °   |     |
|  |                             |              |     | -121.723272 °          | -121.723272 ° |     |
| DWR ID   | 22718                       |              |     |                        |               |     |
| Comment Code   |                             |              |     |                        |               |     |
|  |                             |              |     |                        |               |     |
| Inspector Comment  |                             |              |     |                        |               |     |
| FS_ID:20503<br>DS_ID:22718<br>EP_NO: 10116<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Vortex seen on WS. Water flow seen on LS.Saddle, apron, and headwall not visible. Inlet and outlet pipe-ends are submerged into water.<br>FIELD_STRUCT_DESC: 54-inch corrugated metal gravity drainage pipe through the levee, 30 feet below the crown. Screw gate in a pipe riser on the waterside (WS) slope. Saddle, apron, headwall, two corrugated metal cutoff walls, one No. 101 gate, and one No. 102 gate. (Retention of a 54-inch drainage pipe through the levee, 30 feet below the crown, and a slide gate on the WS slope authorized under Automatic Board Order (ABO) 10116, 1974 - Marion Sanchez Farms). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 87+70 ""R""), invert elevation -2 feet].<br>FS Date: 8/13/2013 |                             |              |     |                        |               |     |

Photo 3 of 3 : UCIP\_FA\_2018\_20503\_34566.jpg



WS view: closer view of slide gate in CMP riser on levee slope. Air vent attached to the wall of CMP (left).

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.95                 | Rating **    | M  | Issue No.              | 72            |
| LM End   | 3.95                 | Issue Type + | En | Location *             |               |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 38.250693 °            | 38.250693 °   |
|          |                      |              |    | -121.722759 °          | -121.722759 ° |
| DWR ID   | 22719                |              |    |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:49317

DS\_ID:22719

EP\_NO: 2131

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 06/01/2016 New pump recently installed. Flapgate not visible though not required under condition of Permit No. 2131. No positive closure device found, which, if missing, is a violation of Condition 8 of Permit No. 2131. Need a name change permit for new owner RD0536. Siphon breaker missing cover.08/13/2013 Pump is missing at the time of inspection. May be taken out for repair.Flap gate on waterward end not found/visible as pipe was submerged into water.Pipe itself is a walkway with steel handrail.

FIELD\_STRUCT\_DESC: 20-inch drainage discharge pipe of an unknown material through the levee, 1.5 feet below the crown. Pump, which was replaced recently, is on a steel platform in the drainage ditch on the landside (LS) toe. Siphon breaker on the waterside (WS) slope. Pipe is exposed on both slopes, but only found on the WS in 2016. Walkway over the pipe on the LS leads to the pump platform. Pipe and pump are now used by Reclamation District No. 536 [RD0536], per district president David Hearn. (Plans for construction of a 20-horsepower drainage pump installation and a 20-inch discharge pipe through the levee authorized under Permit No. 2131, 1955 - California Packing Corporation). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 6/1/2016

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.95</b> | Rating **    | M  | Issue No.  | <b>72 (cont)</b> |
| LM End   | <b>3.95</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_FA\_2018\_49317\_34579.jpg



WS view: exposed steel pipe with siphon breaker on levee slope.

Photo 2 of 3 : UCIP\_FA\_2018\_49317\_34578.jpg



WS view: steel pipe submerged into water in the stream.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.95                 | Rating **    | M  | Issue No.              | 72 (cont)     |
| LM End   | 3.95                 | Issue Type + | En | Location *             |               |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 38.250693 °            | 38.250693 °   |
|          |                      |              |    | -121.722759 °          | -121.722759 ° |
| DWR ID   | 22719                |              |    |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:49317

DS\_ID:22719

EP\_NO: 2131

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 06/01/2016 New pump recently installed. Flapgate not visible though not required under condition of Permit No. 2131. No positive closure device found, which, if missing, is a violation of Condition 8 of Permit No. 2131. Need a name change permit for new owner RD0536. Siphon breaker missing cover.08/13/2013 Pump is missing at the time of inspection. May be taken out for repair.Flapp gate on waterward end not found/visible as pipe was submerged into water.Pipe itself is a walkway with steel handrail.

FIELD\_STRUCT\_DESC: 20-inch drainage discharge pipe of an unknown material through the levee, 1.5 feet below the crown. Pump, which was replaced recently, is on a steel platform in the drainage ditch on the landside (LS) toe. Siphon breaker on the waterside (WS) slope. Pipe is exposed on both slopes, but only found on the WS in 2016. Walkway over the pipe on the LS leads to the pump platform. Pipe and pump are now used by Reclamation District No. 536 [RD0536], per district president David Hearn. (Plans for construction of a 20-horsepower drainage pump installation and a 20-inch discharge pipe through the levee authorized under Permit No. 2131, 1955 - California Packing Corporation). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 6/1/2016

Photo 3 of 3 : UCIP\_FA\_2018\_49317\_34577.jpg



LS view: exposed steel pipe on levee slope and pump deck in drainage ditch.

|          |                           |              |    |                        |               |
|----------|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.70                      | Rating **    | M  | Issue No.              | 23            |
| LM End   | 4.70                      | Issue Type + | En | Location *             | LS            |
| Category | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|          |                           |              |    | Start                  | End           |
| Item     | Encroachments             |              |    | 38.247322 °            | 38.247322 °   |
|          |                           |              |    | -121.711663 °          | -121.711663 ° |
| DWR ID   | DWR_RD0536_01 f _ 2018_23 |              |    |                        |               |

**Comment Code**

EQ : Equipment

**Inspector Comment**

Ag equipment should be removed from the landside slope.

Photo 1 of 1 : FA\_2018\_RD0536\_208\_23\_20180928\_00049.jpg



View looking down slope of farm equipment on the landside slope (September 2018).

|   |  |  |   |
|---|--|--|---|
| <b>* Location</b><br>LS : Land Side N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N : Not Inspected/Rated</b><br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|---|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.83                                  | Rating **    | M  | Issue No.              | 35            |
| LM End   | 5.57                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.245813 °            | 38.245588 °   |
|  |                                       |              |    | -121.710307 °          | -121.697605 ° |
| DWR ID   | DWR_RD0536_01_s_2017_35               |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| Inspector Comment                                      |                                       |              |    |                        |               |
| Road has been regraded. Still some minor ruts          |                                       |              |    |                        |               |

No Photos

|                                      |                         |              |    |                        |               |
|--------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                             | 4.92                    | Rating **    | U  | Issue No.              | 25            |
| LM End                               | 4.92                    | Issue Type + | En | Location *             | LS            |
| Category                             | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                      |                         |              |    | Start                  | End           |
| Item                                 | Encroachments           |              |    | 38.245410 °            | 38.245410 °   |
|                                      |                         |              |    | -121.708895 °          | -121.708895 ° |
| DWR ID                               | DWR_RD0536_01_f_2018_25 |              |    |                        |               |
| Comment Code                         |                         |              |    |                        |               |
| FE : Fence                           |                         |              |    |                        |               |
| Inspector Comment                    |                         |              |    |                        |               |
| Fence on slope and debris at the toe |                         |              |    |                        |               |

Photo 1 of 2 : FA\_2018\_RD0536\_208\_25\_20180928\_00050.jpg



Fence on the landside slope does not have a permit (September 2018).

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.92</b> | Rating **    | U  | Issue No.  | <b>25 (cont)</b> |
| LM End   | <b>4.92</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : FA\_2018\_RD0536\_208\_25\_20180928\_00052.jpg



Cactus, fence, and wood piles at the land side toe (September 2018).

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.92                    | Rating **    | M  | Issue No.              | 26            |
| LM End   | 4.92                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Animal Control          |              |    | 38.245410 °            | 38.245410 °   |
|  |                         |              |    | -121.708895 °          | -121.708895 ° |
| DWR ID   | DWR_RD0536_01_f_2018_26 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| A1 : Exterminate rodents and backfill and compact or grout burrows.      |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Saw squirrel and deep squirrel hole. Address before squirrels establish. |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_208\_26\_20180928\_00053.jpg



View of squirrel hole on the land side slope (September 2018).

|  |                                  |              |    |                        |               |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.94                             | Rating **    | M  | Issue No.              | 16            |
| LM End   | 4.95                             | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|  |                                  |              |    | Start                  | End           |
| Item   | 2017 USACE Erosion Survey, DRAFT |              |    | 38.245581 °            | 38.245667 °   |
|  |                                  |              |    | -121.708605 °          | -121.708327 ° |
| DWR ID   | DWR_RD0536_01_f_2018_16          |              |    |                        |               |
| Comment Code   |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
| Inspector Comment  |                                  |              |    |                        |               |
| 2017 Site ID: LDS 0.8 R  |                                  |              |    |                        |               |
| Status: Eroding  |                                  |              |    |                        |               |
| 2017 Field Notes: additional erosion at toe.   |                                  |              |    |                        |               |
| Site History: 2011 - Multiple erosion pockets from tree popouts. A smaller erosion pocket in the middle of a failing bank repair. Pump structure at the downstream end may be contributing to the erosion. |                                  |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_208\_16\_20180928\_00055.jpg



Deeper erosion at the toe with roots exposed (September 2018).

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.96                 | Rating **    | M  | Issue No.              | 73            |
| LM End  | 4.96                 | Issue Type + | En | Location *             |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 38.245643 °            | 38.245643 °   |
|   |                      |              |    | -121.708162 °          | -121.708162 ° |
| DWR ID  | 22720                |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:49318<br>DS_ID:22720<br>EP_NO: 10116<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 06/01/2016 Pipe is an abandoned crossing per conversation with district president David Hearn.Pipe seems to be abandoned.Catwalk and pumphouse on riverside not found. It is not clear whether the pipe pass through the levee or not. Needs more info from LMA/DWR Inspector.<br>FIELD_STRUCT_DESC: 3-inch galvanized irrigation discharge pipe through the levee, 4 feet below the crown. Catwalk and pump house on the waterside (WS). Concrete saddle and water tank on the WS slope. (Retention of a 3.5-inch pipe through the levee, 4 feet below the crown, concrete saddle, and water tank on the WS slope authorized under Automatic Board Order (ABO) issued as Permit No. 10116, 1974 - Marion Sanchez Farms). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 33+16 ""R""), invert elevation 19 feet].<br>FS Date: 8/13/2013 |                      |              |    |                        |               |

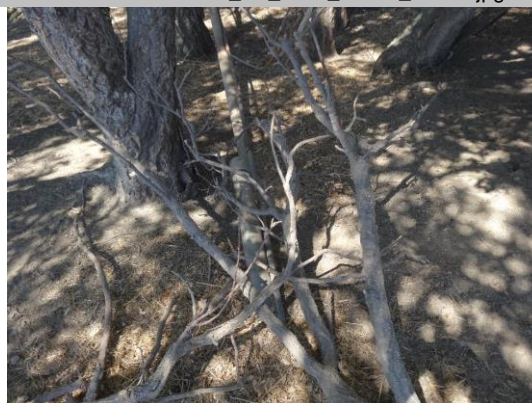
|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.96</b> | Rating **    | M  | Issue No.  | <b>73 (cont)</b> |
| LM End   | <b>4.96</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_FA\_2018\_49318\_34605.jpg



WS view: pump, pipe, gate valve, and wooden piling structure in the stream.

Photo 2 of 3 : UCIP\_FA\_2018\_49318\_34604.jpg



WS view: exposed pipes on levee shoulder.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 4.96                 | Rating **    | M  | Issue No.              | 73 (cont)     |  |
| LM End   | 4.96                 | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.245643 °            | 38.245643 °   |  |
|  |                      |              |    | -121.708162 °          | -121.708162 ° |  |
| DWR ID   | 22720                |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:49318<br>DS_ID:22720<br>EP_NO: 10116<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 06/01/2016 Pipe is an abandoned crossing per conversation with district president David Hearn.Pipe seems to be abandoned.Catwalk and pumphouse on riverside not found. It is not clear whether the pipe pass through the levee or not. Needs more info from LMA/DWR Inspector.<br>FIELD_STRUCT_DESC: 3-inch galvanized irrigation discharge pipe through the levee, 4 feet below the crown. Catwalk and pump house on the waterside (WS). Concrete saddle and water tank on the WS slope. (Retention of a 3.5-inch pipe through the levee, 4 feet below the crown, concrete saddle, and water tank on the WS slope authorized under Automatic Board Order (ABO) issued as Permit No. 10116, 1974 - Marion Sanchez Farms). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 33+16 ""R"", invert elevation 19 feet].<br>FS Date: 8/13/2013 |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_FA\_2018\_49318\_34603.jpg



WS view: concrete cradle and abandoned steel tank on levee shoulder.

|   |                                  |              |    |                        |               |  |
|---|----------------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 5.00                             | Rating **    | U  | Issue No.              | 15            |  |
| LM End  | 5.05                             | Issue Type + | Ma | Location *             | WS            |  |
| Category  | Supplemental                     |              |    | GPS Latitude/Longitude |               |  |
|   |                                  |              |    | Start                  | End           |  |
| Item  | 2017 USACE Erosion Survey, DRAFT |              |    | 38.245981 °            | 38.246326 °   |  |
|   |                                  |              |    | -121.707609 °          | -121.706737 ° |  |
| DWR ID  | DWR_RD0536_01_f_2018_15          |              |    |                        |               |  |
| Comment Code  |                                  |              |    |                        |               |  |
|   |                                  |              |    |                        |               |  |
| Inspector Comment   |                                  |              |    |                        |               |  |
| 2017 Site ID: LDS 0.7 R   |                                  |              |    |                        |               |  |
| Status: Critical  |                                  |              |    |                        |               |  |
| 2017 Field Notes: Upgraded to CRITICAL. Erosion pocket has increased significantly in the last year. 2018 Field Notes: Erosion pocket is large, agree with Critical status.                       |                                  |              |    |                        |               |  |
| Site History: 2011 - Levee toe is unraveling with large slumping sections. This site is downstream of old bank rock. 2012 - Erosion pocket has increased in size. 2016 - Site continues to erode. |                                  |              |    |                        |               |  |

Photo 1 of 1 : FA\_2018\_RD0536\_208\_15\_20180928\_00054.jpg



Large erosion pocket on the water side slope extends deep into slope (September 2018).

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                      |              |    |                        |               |  |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 5.10                 | Rating **    | M  | Issue No.              | 74            |  |
| LM End  | 5.10                 | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|   |                      |              |    | Start                  | End           |  |
| Item  | DWR UCIP Field Study |              |    | 38.245783 °            | 38.245783 °   |  |
|   |                      |              |    | -121.705999 °          | -121.705999 ° |  |
| DWR ID  | 24664                |              |    |                        |               |  |
| Comment Code  |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
| Inspector Comment   |                      |              |    |                        |               |  |
| FS_ID:49319   |                      |              |    |                        |               |  |
| DS_ID:24664   |                      |              |    |                        |               |  |
| EP_NO: N/A  |                      |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |  |
| Crossing Status: Found  |                      |              |    |                        |               |  |
| UCIP Comments: 06/01/2016 According to district president David Hearn, landowner is Silva and crossing is abandoned.08/13/2013:Field discovered pipe crossing.Needs more information from LMA/DWR Inspector. Also needs more detailed inspection.   |                      |              |    |                        |               |  |
| FIELD_STRUCT_DESC: *ABANDONED* Approximately 6-inch steel irrigation discharge pipe and an electrical conduit through the levee, at an unknown depth. Slant pump in a steel support on the channel bank. Gate valve on the pipe. No pipes and appurtenances on the landside (LS). This crossing was field discovered. |                      |              |    |                        |               |  |
| FS Date: 8/13/2013  |                      |              |    |                        |               |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>5.10</b> | Rating **    | M  | Issue No.  | <b>74 (cont)</b> |
| LM End   | <b>5.10</b> | Issue Type + | En | Location * |                  |

Photo 1 of 2 : UCIP\_FA\_2018\_49319\_35124.jpg



WS view: pipe and pump on channel bank.

Photo 2 of 2 : UCIP\_FA\_2018\_49319\_35123.jpg



WS view: closer view of pipe and pump on channel bank.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 5.10                 | Rating **    | M  | Issue No.              | 75            |  |
| LM End   | 5.10                 | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.245783 °            | 38.245783 °   |  |
|  |                      |              |    | -121.705999 °          | -121.705999 ° |  |
| DWR ID   | 22721                |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:20543<br>DS_ID:22721<br>EP_NO: 3873<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe seems to be abandoned.Needs proper abandonment.<br>FIELD_STRUCT_DESC: 6-inch irrigation discharge pipe of an unknown material through the levee, 2 feet below the crown. Pump on a concrete base on the waterside (WS) slope. Gate valve on the WS slope. (Plans for installation of a 6-inch pipe through the levee authorized under Permit No. 3873, 1962 - California Packing Corporation). [Additional Reference(s): DWR Levee Log, 1992].<br>FS Date: 8/13/2013 |                      |              |    |                        |               |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>5.10</b> | Rating **    | M  | Issue No.  | <b>75 (cont)</b> |
| LM End   | <b>5.10</b> | Issue Type + | En | Location * |                  |

Photo 1 of 2 : UCIP\_FA\_2018\_20543\_34623.jpg



WS view: abandoned pipe, pump, conduit, and gate valve on levee slope.

Photo 2 of 2 : UCIP\_FA\_2018\_20543\_34622.jpg



WS view: closer view of abandoned pipe, pump, and gate valve on levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                      |              |    |                        |               |  |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 5.12                 | Rating **    | M  | Issue No.              | 76            |  |
| LM End  | 5.12                 | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|   |                      |              |    | Start                  | End           |  |
| Item  | DWR UCIP Field Study |              |    | 38.245588 °            | 38.245588 °   |  |
|   |                      |              |    | -121.705723 °          | -121.705723 ° |  |
| DWR ID  | 24024                |              |    |                        |               |  |
| Comment Code  |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
| Inspector Comment   |                      |              |    |                        |               |  |
| FS_ID:20544   |                      |              |    |                        |               |  |
| DS_ID:24024   |                      |              |    |                        |               |  |
| EP_NO: N/A  |                      |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |  |
| Crossing Status: Found  |                      |              |    |                        |               |  |
| UCIP Comments: - field discovered pipe.- seems abandoned pipe.  |                      |              |    |                        |               |  |
| Needs proper abandonment.   |                      |              |    |                        |               |  |
| FIELD_STRUCT_DESC: *ABANDONED* 6-inch galvanized iron drainage pipe on top of a concrete pad and through the levee, at an unknown depth. Details not available. This crossing was field discovered. |                      |              |    |                        |               |  |
| FS Date: 8/13/2013  |                      |              |    |                        |               |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>5.12</b> | Rating **    | M  | Issue No.  | <b>76 (cont)</b> |
| LM End   | <b>5.12</b> | Issue Type + | En | Location * |                  |

Photo 1 of 2 : UCIP\_FA\_2018\_20544\_34625.jpg



WS view: overview of levee slope, concrete pad, and pipe.

Photo 2 of 2 : UCIP\_FA\_2018\_20544\_34624.jpg



WS view: abandoned steel pipe on concrete pad.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

# Reclamation District No. 0536 Egbert

No Photos

No Photos

Photo 1 of 2 : FA\_2018\_RD0536\_208\_11\_20180924\_00001.jpg



This gate rest and gate on the landside of the levee shoulder.

| * Location  | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                         |              |    |                        |               |  |
|--|-------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 5.34                    | Rating **    | U  | Issue No.              | 11 (cont)     |  |
| LM End   | 5.34                    | Issue Type + | En | Location *             | CR            |  |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |  |
|  |                         |              |    | Start                  | End           |  |
| Item   | Encroachments           |              |    | 38.245644 °            | 38.245644 °   |  |
|  |                         |              |    | -121.701945 °          | -121.701945 ° |  |
| DWR ID   | DWR_RD0536_01_s_2013_11 |              |    |                        |               |  |
| Comment Code   |                         |              |    |                        |               |  |
| FE : Fence   |                         |              |    |                        |               |  |
| Inspector Comment  |                         |              |    |                        |               |  |
| The District said that the property owner had this gate and barricade installed by the County. |                         |              |    |                        |               |  |

Photo 2 of 2 : FA\_2018\_RD0536\_208\_11\_20180924\_00002.jpg



RD 536 Unit 1 levee mile 5.34 waterside shoulder. No change. 4-17.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.47                    | Rating **    | U  | Issue No.              | 27            |
| LM End   | 5.58                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.245552 °            | 38.245602 °   |
|  |                         |              |    | -121.699588 °          | -121.697552 ° |
| DWR ID   | DWR_RD0536_01_f_2018_27 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Willows and black berry bushes up to the crown needs to be controlled.       |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_208\_27\_20180928\_00057.jpg



View of vegetation on the water side up the crown that is blocking visibility (September 2018).

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                      |              |    |                        |    |               |
|--|----------------------|--------------|----|------------------------|----|---------------|
| LM Start   | 5.49                 | Rating **    | M  | Issue No.              | 77 |               |
| LM End   | 5.49                 | Issue Type + | En | Location *             |    |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |    |               |
|  |                      |              |    | Start                  |    | End           |
| Item   | DWR UCIP Field Study |              |    | 38.245512 °            |    | 38.245512 °   |
|  |                      |              |    | -121.699119 °          |    | -121.699119 ° |
| DWR ID   | 22722                |              |    |                        |    |               |
| Comment Code   |                      |              |    |                        |    |               |
|  |                      |              |    |                        |    |               |
| Inspector Comment  |                      |              |    |                        |    |               |
| FS_ID:20563<br>DS_ID:22722<br>EP_NO: 7208<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - siphon breaker needs cover/protection.- service pole on landside of the levee.<br>FIELD_STRUCT_DESC: 30-inch steel drainage discharge pipe through the levee, 5.7 feet below the crown. Pump in a piling structure in a drainage ditch on the landside (LS). Siphon breaker on the waterside (WS) shoulder. (Plans to install a drainage pumping plant and 35 feet of 30-inch pipe through the levee authorized under Permit No. 7208, 1970 - Reclamation District No. 536 [RD0536]). [Additional Reference(s): DWR Levee Log, 1992].<br>FS Date: 8/13/2013 |                      |              |    |                        |    |               |

Photo 1 of 3 : UCIP\_FA\_2018\_20563\_34646.jpg



WS view: wooden & steel piles on the slough. Probably the supports are for pipe and flap gate. Not accessible due to fence.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>5.49</b> | Rating **    | M  | Issue No.  | <b>77 (cont)</b> |
| LM End   | <b>5.49</b> | Issue Type + | En | Location * |                  |

Photo 2 of 3 : UCIP\_FA\_2018\_20563\_34645.jpg



WS view: uncovered siphon breaker on levee shoulder. It needs protection.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                   | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|----------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Lindsey Slough | Right | 5.58       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                      |              |    |                        |               |     |
|---|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start  | 5.49                 | Rating **    | M  | Issue No.              | 77 (cont)     |     |
| LM End  | 5.49                 | Issue Type + | En | Location *             |               |     |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |     |
|   |                      |              |    | Start                  |               | End |
| Item  | DWR UCIP Field Study |              |    | 38.245512 °            | 38.245512 °   |     |
|   |                      |              |    | -121.699119 °          | -121.699119 ° |     |
| DWR ID  | 22722                |              |    |                        |               |     |
| Comment Code  |                      |              |    |                        |               |     |
|   |                      |              |    |                        |               |     |
| Inspector Comment   |                      |              |    |                        |               |     |
| FS_ID:20563   |                      |              |    |                        |               |     |
| DS_ID:22722   |                      |              |    |                        |               |     |
| EP_NO: 7208   |                      |              |    |                        |               |     |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |     |
| Crossing Status: Found  |                      |              |    |                        |               |     |
| UCIP Comments: - siphon breaker needs cover/protection.- service pole on landside of the levee.   |                      |              |    |                        |               |     |
| FIELD_STRUCT_DESC: 30-inch steel drainage discharge pipe through the levee, 5.7 feet below the crown. Pump in a piling structure in a drainage ditch on the landside (LS). Siphon breaker on the waterside (WS) shoulder. (Plans to install a drainage pumping plant and 35 feet of 30-inch pipe through the levee authorized under Permit No. 7208, 1970 - Reclamation District No. 536 [RD0536]). [Additional Reference(s): DWR Levee Log, 1992]. |                      |              |    |                        |               |     |
| FS Date: 8/13/2013  |                      |              |    |                        |               |     |

Photo 3 of 3 : UCIP\_FA\_2018\_20563\_34644.jpg



LS view: pipe under the wooden walkway and pump on wooden platform in drain ditch.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2018 Levee Inspection Results**

**Reclamation District No. 0536 Egbert**

| Waterway                               |                         |                           | Bank                                    | Unit Miles                      |
|--|-------------------------|---------------------------|---|---------------------------------|
| Unit No. 02 Yolo Bypass                |                         |                           | Right                                   | 5.01                            |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall          | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           | <b>U</b>                                |                                 |
| Date of Inspection                     | 3/29/2018 - 3/29/2018   |                           | 9/26/2018 - 9/26/2018                   |                                 |
| DWR Inspector                          | Keith Millard           |                           | David Julian                            |                                 |
| Accompanied By                         | David Hearn             |                           | David Hearn<br>Reclamation District 536 |                                 |

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|-------------------------|-------|------------|--------------------------|--------------|
| Unit No. 02 Yolo Bypass | Right | 5.01       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.09                   | Rating **    | U  | Issue No.              | 5             |
| LM End   | 0.13                   | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Encroachments          |              |    | 38.244240 °            | 38.243709 °   |
|  |                        |              |    | -121.696830 °          | -121.696934 ° |
| DWR ID   | DWR_RD0536_02_s_2012_5 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| EQ : Equipment   |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Remove the equipment from the landside easement levee miles 0.09-0.13. |                        |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_209\_5\_20180924\_00001.jpg



RD 536 Unit 2 levee mile 0.09 landside toe.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.10                   | Rating **    | M  | Issue No.              | 8             |
| LM End   | 0.77                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 38.244120 °            | 38.234465 °   |
|  |                        |              |    | -121.696967 °          | -121.697995 ° |
| DWR ID   | DWR_RD0536_02_s_2018_8 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Vegetation relatively thick and greater than 1 foot.                         |                        |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_209\_8\_20180928\_00013.jpg



View looking downstream of the vegetation that is greater than 1 foot and relatively thick (September 2018).

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.10                   | Rating **    | M  | Issue No.              | 9             |
| LM End   | 0.77                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 38.244119 °            | 38.234465 °   |
|  |                        |              |    | -121.696967 °          | -121.697995 ° |
| DWR ID   | DWR_RD0536_02_s_2018_9 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Vegetation relatively thick and greater than 1 foot.                         |                        |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_209\_9\_20180928\_00014.jpg



View looking downstream of relatively thick vegetation greater than 1 foot (September 2018).

|  |  |  |   |
|--|--|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N : Not Inspected/Rated</b><br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|-------------------------|-------|------------|--------------------------|--------------|
| Unit No. 02 Yolo Bypass | Right | 5.01       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.13                    | Rating **    | M  | Issue No.              | 10            |
| LM End  | 0.13                    | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.243703 °            | 38.243703 °   |
|   |                         |              |    | -121.696992 °          | -121.696992 ° |
| DWR ID  | DWR_RD0536_02_s_2017_10 |              |    |                        |               |
| Comment Code                                    |                         |              |    |                        |               |
| V9 : Keep the crown roadway free of vegetation. |                         |              |    |                        |               |
| Inspector Comment                               |                         |              |    |                        |               |
| Remove vegetation on the crown                  |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_209\_10\_20180928\_00015.jpg



View looking upstream at vegetation on the crown (September 2018).

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.47                 | Rating **    | M  | Issue No.              | 22            |
| LM End   | 1.47                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.224423 °            | 38.224423 °   |
|  |                      |              |    | -121.697049 °          | -121.697049 ° |
| DWR ID   | 22732                |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:20664<br>DS_ID:22732<br>EP_NO: 17829<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: Indicator is found only on WS. The indicator is different than standard indicator. Needs more info from LMA/DWR Inspector.<br>FIELD_STRUCT_DESC: 3.5-inch welded steel natural gas pipeline under the levee, 44 feet below the crown. (Plans to install a 3.5-inch welded steel natural gas pipeline bored under the levee authorized under Permit No. 17829, 2004 - Towne Exploration Company).<br>FS Date: 8/13/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_FA\_2018\_20664\_34746.jpg



WS view: overview of levee slope and gasoline indicator. The indicator is different than standard indicators.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|-------------------------|-------|------------|--------------------------|--------------|
| Unit No. 02 Yolo Bypass | Right | 5.01       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.47                 | Rating **    | M  | Issue No.              | 22 (cont)     |
| LM End   | 1.47                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.224423 °            | 38.224423 °   |
|  |                      |              |    | -121.697049 °          | -121.697049 ° |
| DWR ID   | 22732                |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:20664<br>DS_ID:22732<br>EP_NO: 17829<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: Indicator is found only on WS. The indicator is different than standard indicator. Needs more info from LMA/DWR Inspector.<br>FIELD_STRUCT_DESC: 3.5-inch welded steel natural gas pipeline under the levee, 44 feet below the crown. (Plans to install a 3.5-inch welded steel natural gas pipeline bored under the levee authorized under Permit No. 17829, 2004 - Towne Exploration Company).<br>FS Date: 8/13/2013 |                      |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.47</b> | Rating **    | M  | Issue No.  | <b>22 (cont)</b> |
| LM End   | <b>1.47</b> | Issue Type + | En | Location * |                  |

Photo 2 of 3 : UCIP\_FA\_2018\_20664\_34745.jpg



WS view: closer look at gasline indicator. The indicator is different than standard indicators.

Photo 3 of 3 : UCIP\_FA\_2018\_20664\_34744.jpg



WS view: natural gas extraction plant near levee on the field.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|-------------------------|-------|------------|--------------------------|--------------|
| Unit No. 02 Yolo Bypass | Right | 5.01       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.17                    | Rating **    | U  | Issue No.              | 13            |
| LM End   | 2.74                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.214453 °            | 38.206952 °   |
|  |                         |              |    | -121.693932 °          | -121.689932 ° |
| DWR ID   | DWR_RD0536_02_s_2018_13 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Remove vegetation on the water side slope.                                   |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_209\_13\_20180928\_00017.jpg



View looking slightly downstream at thick vegetation all the way up the crown (September 2018).

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.19                    | Rating **    | U  | Issue No.              | 14            |
| LM End   | 2.55                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.214235 °            | 38.209373 °   |
|  |                         |              |    | -121.693843 °          | -121.691375 ° |
| DWR ID   | DWR_RD0536_02_s_2018_14 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Remove vegetation on the water side slope.                                   |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2018\_RD0536\_209\_14\_20180928\_00016.jpg



View looking downstream at vegetation all the way up to the crown (September 2018).

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.27                   | Rating **    | M  | Issue No.              | 6             |
| LM End  | 2.48                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Vegetation             |              |    | 38.213114 °            | 38.210294 °   |
|   |                        |              |    | -121.693334 °          | -121.691904 ° |
| DWR ID  | DWR_RD0536_02_s_2018_6 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes.          |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| Large, dead thistle stalks remain on levee. Should be removed, or burned if possible. |                        |              |    |                        |               |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|-------------------------|-------|------------|--------------------------|--------------|
| Unit No. 02 Yolo Bypass | Right | 5.01       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.50                 | Rating **    | M  | Issue No.              | 23            |
| LM End   | 2.50                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.210063 °            | 38.210063 °   |
|  |                      |              |    | -121.691768 °          | -121.691768 ° |
| DWR ID   | 24025                |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:20647<br>DS_ID:24025<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Needs more info from LMA/DWR Inspector. Pump and pipe looks new.<br>FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe with vertical pump on the drainage ditch. No other details available. This crossing was field discovered.<br>FS Date: 8/13/2013 |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_FA\_2018\_20647\_34731.jpg



WS view: overview of pipe and pump (left). Big pump and appurtenances (right) for 24" steel pipe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.50</b> | Rating **    | M  | Issue No.  | <b>23 (cont)</b> |
| LM End   | <b>2.50</b> | Issue Type + | En | Location * |                  |

Photo 2 of 2 : UCIP\_FA\_2018\_20647\_34730.jpg



WS view: closer view of pipe and pump (left). Big pump and appurtenances (right) for 24" steel pipe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

# Reclamation District No. 0536 Egbert

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|-------------------------|-------|------------|--------------------------|--------------|
| Unit No. 02 Yolo Bypass | Right | 5.01       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.91                                  | Rating **    | C  | Issue No.              | 21            |
| LM End   | 3.91                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.196745 °            | 38.196745 °   |
|  |                                       |              |    | -121.691292 °          | -121.691292 ° |
| DWR ID   | DWR_RD0536_02_f_2018_21               |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| Inspector Comment                                      |                                       |              |    |                        |               |
| Depressions and ruts have been repaired.               |                                       |              |    |                        |               |

No Photos

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.14                 | Rating **    | M  | Issue No.              | 24            |
| LM End   | 4.14                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.195875 °            | 38.195875 °   |
|  |                      |              |    | -121.695177 °          | -121.695177 ° |
| DWR ID   | 22731                |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:41845  |                      |              |    |                        |               |
| DS_ID:22731  |                      |              |    |                        |               |
| EP_NO: 1217  |                      |              |    |                        |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |               |
| Crossing Status: Indicator Found   |                      |              |    |                        |               |
| UCIP Comments: Gasline needs markers on both slopes. Existing markers in disrepair.  |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 8.625-inch natural gas pipeline of an unknown material through the levee, at an unknown depth. (Plans for installing an 8.625-inch natural gas pipeline crossing authorized under Permit No. 1217, 1947 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. |                      |              |    |                        |               |
| FS Date: 8/13/2013   |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_FA\_2018\_41845\_34765.jpg



WS view: gasline indicator across the channel.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



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| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|-------------------------|-------|------------|--------------------------|--------------|
| Unit No. 02 Yolo Bypass | Right | 5.01       | 09/26/2018<br>09/26/2018 | David Julian |

|   |                      |              |    |                        |               |  |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 4.14                 | Rating **    | M  | Issue No.              | 24 (cont)     |  |
| LM End  | 4.14                 | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|   |                      |              |    | Start                  | End           |  |
| Item  | DWR UCIP Field Study |              |    | 38.195875 °            | 38.195875 °   |  |
|   |                      |              |    | -121.695177 °          | -121.695177 ° |  |
| DWR ID  | 22731                |              |    |                        |               |  |
| Comment Code  |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
| Inspector Comment   |                      |              |    |                        |               |  |
| FS_ID:41845<br>DS_ID:22731<br>EP_NO: 1217<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: Gasline needs markers on both slopes. Existing markers in disrepair.<br>FIELD_STRUCT_DESC: 8.625-inch natural gas pipeline of an unknown material through the levee, at an unknown depth. (Plans for installing an 8.625-inch natural gas pipeline crossing authorized under Permit No. 1217, 1947 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992].<br>FS Date: 8/13/2013 |                      |              |    |                        |               |  |

Photo 2 of 2 : UCIP\_FA\_2018\_41845\_34764.jpg



LS view: gasline indicator on levee toe.

|  |                      |              |    |                        |               |     |
|--|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start   | 4.36                 | Rating **    | M  | Issue No.              | 25            |     |
| LM End   | 4.36                 | Issue Type + | En | Location *             |               |     |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |     |
|  |                      |              |    | Start                  |               | End |
| Item   | DWR UCIP Field Study |              |    | 38.196429 °            | 38.196429 °   |     |
|  |                      |              |    | -121.698962 °          | -121.698962 ° |     |
| DWR ID   | 22735                |              |    |                        |               |     |
| Comment Code   |                      |              |    |                        |               |     |
|  |                      |              |    |                        |               |     |
| Inspector Comment  |                      |              |    |                        |               |     |
| FS_ID:46813<br>DS_ID:22735<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Recommend owner contact CVFPB to provide updated owner info and obtain necessary permit for this crossing.<br>FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee, at an unknown depth. Steel standpipe on each side of the levee.<br>Temporary canvas about 2 inches below the crown. Per 2015 Inspection Report provided by Herman Phillips, a diesel motor was found on the waterside (WS), and the owner is Mr. Page Baldwin. This crossing was field discovered.<br>FS Date: 8/13/2013 |                      |              |    |                        |               |     |

Photo 1 of 3 : UCIP\_FA\_2018\_46813\_34768.jpg



WS view: steel standpipe on levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0536 Egbert**

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector    |
|-------------------------|-------|------------|--------------------------|--------------|
| Unit No. 02 Yolo Bypass | Right | 5.01       | 09/26/2018<br>09/26/2018 | David Julian |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 4.36                 | Rating **    | M  | Issue No.              | 25 (cont)     |  |
| LM End   | 4.36                 | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.196429 °            | 38.196429 °   |  |
|  |                      |              |    | -121.698962 °          | -121.698962 ° |  |
| DWR ID   | 22735                |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:46813<br>DS_ID:22735<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Recommend owner contact CVFPB to provide updated owner info and obtain necessary permit for this crossing.<br>FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee, at an unknown depth. Steel standpipe on each side of the levee.<br>Temporary canvas about 2 inches below the crown. Per 2015 Inspection Report provided by Herman Phillips, a diesel motor was found on the waterside (WS), and the owner is Mr. Page Baldwin. This crossing was field discovered.<br>FS Date: 8/13/2013 |                      |              |    |                        |               |  |

Photo 2 of 3 : UCIP\_FA\_2018\_46813\_34767.jpg



LS view: steel standpipe on levee slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.36</b> | Rating **    | M  | Issue No.  | <b>25 (cont)</b> |
| LM End   | <b>4.36</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_FA\_2018\_46813\_34766.jpg



WS view: steel pipe on levee shoulder at 2-inch below the crown.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|